

MAMUL', Ya. V., Cand of Bio Sci -- (diss) "Some Studies in the Field of Application of Radiosautography in Biology and Medicine," Moscow, 1959, 13 pp (Institute of Morphology of Animals imeni A. N. Severtsov, Acad Sci UkrSSR) (KL 4-60, 117)

MAMJLI', Ya.V.

Postmortem diffusion of substances in tissues as a source of
artefacts in radioautography. Biofizika 4 no.1:119-120 Ja '59.
(MIRA 12:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

(RADIOAUTOGRAPHY,

postmortem diffusion causing artefacts (Rus))

MAMUL', Ya.V.

Possibility of obtaining a radioautographic image of biological tissues
due to their natural radioactivity. Biofizika 4 no. 4:508-510 '59.
(MIRA 14:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(AUTORADIOGRAPHY)

RACHINSKIY, V.V., doktor khim.nauk, red.; YAGLOVA, L.G.; MAMUL', Ya.V.;
MEDVEDEV, Zh.A.

[Practical work in the use of isotopes and radiations in agriculture] Praktikum po primeneniiu izotopov i izluchenii v sel'skom khozisistve. Pod obshchei red. B.V.Rachinskogo. Moskva, Mosk.sel'khoz.akad. No.6. [Use of labeled atoms in plant physiology and biochemistry] Primenenie metoda mechenykh atomov v fiziologii i biokhimii rastenii. 1960. 101 p.

(MIHA 14:1)

(Radioactive tracers)
(Plant physiology--Research)

BENENSON, Ye.V., assistant; MAMUL', Ya.V., mladshiy nauchnyy sotrudnik

Distribution of tagged thiamine in the jaws of animals; a
preliminary report. Teor. i prak. stom. no.5:175-178 '61
(MIRA 16:12)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. Ye.
Ye. Platonov) Moskovskogo meditsinskogo stomatologicheskogo
instituta.

KUZIN, A.M.; GLEMBOTSKIY, Ya.L.; LAPKIN, Yu.A.; KALENDY, G.S.; BREGADZE, Yu.I.;
MAMUL', Ya.V. [deceased]; MYASNYANKINA, Ye.N.

Mutagenic effectiveness of incorporated C¹⁴. Radiobiologiya 4 no.6:
804-809 '64. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

MILAN, MILAN

Apparatus for Sintering Tantalum in High Vacuum
Milan Mamula (Hungary) 1956, 11, (1), 684-686. (In
Chinese.) Apparatus is described for sintering high-m.p. metals
such as Ta in powder by passing an electric current through the
compact. Methods of measuring the degree of vacuum are
compared. The measurement of temp. during sintering is
discussed and the relationship between measured and actual
temp. is considered. Temp. at which gases are evolved in
sintering Ta were determined by qual. spectrographic analysis.
The results of long-term operation with the apparatus are
given. - 13 ref. - J. S. H.

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1138 14:3 10/95

83u28

Z/034/61/000/003/007/011
E073/E535

AUTHOR: Mamula M. Engineer

TITLE: Manufacture of Materials for γ -Ray Absorption

PERIODICAL: Hutnické listy 1961 No. 3 p.208

TEXT: In manufacturing materials with a high γ -ray absorption rate, a high specific gravity and a high atomic number of the elements are of main importance. The material must also be cheap, chemically stable and easy to fabricate. From the price and physical points of view only tungsten is satisfactory but it is a material which is difficult to work and the manufactured semi-finished products are of small dimensions. Therefore, it is more favourable to use "heavy metals" which are mostly produced by sintering a mixture for instance W + Ni + Cu with a distribution of the components such that a material is obtained which can be worked easily, has a high resistance to corrosion and can be polished to a high brightness. The hardness and the machineability changes in accordance with the composition of the material. Alloys with higher nickel contents are harder and have a higher density. On the other hand alloys with a higher copper content are easier

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89L28

Manufacture of Materials for

Z/034/61/000/003/007/011
E073/E535

to machine but have a lower density. A further advantage of "heavy metals" is that the sintering temperature can be reduced to 1350°C for the ternary 92% W + 4% Ni + 4% Cu (as compared to 3000°C for pure tungsten) and components weighing several tens of kilograms can be produced. The γ -ray absorption coefficient of these metals is considerably higher ($0.79/cm$, alloy density 17.5 g/cm^3) than that of lead ($0.57/cm$) under otherwise equal conditions, i.e. wavelength, radiation geometry. Such "heavy metals" can be applied for manufacturing protective screens against γ and X-ray radiation boxes for storing and handling radioisotopes. Due to their high specific mass, heavy metals can be used for flywheels as a balancing substance, for gyroscopes and gyrocompasses, for centrifugal regulators, for contacts in high-voltage switchgear.

Report No. Z-59-011 R/V

ASSOCIATION: Výzkumný ústav pro průškovou metalurgii
(Powder Metallurgy Research Institute)

[Abstractor's Note: This is a complete translation]

Card 2/2

I-59340-65 EMP(e)/EMP(k)/EMP(z)/EMP(b)/EMP(t) PF-4 AFPTC JD
ACCESSION NR: AF5015134 CZ/0009/65/000/006/0338/0140
546.33-541.126

AUTHOR: Mamila, M.

17
16
3

TITLE: Measuring the specific surface of sodium hydride

SOURCE: Chemicky prumysl, no. 6, 1965, 338-340

TOPIC TAGS: sodium hydride, specific surface measurement, pyrophore surface measurement, Blaine method, lithium hydride, magnesium hydride, Carman equation

ABSTRACT: Since sodium hydride is unstable in air, a method was developed for measuring its specific surface by means of Blaine's apparatus (employed by ASTM for grading cement). After describing the construction and operation of the apparatus, tests are presented in which perfectly spherical glossy particles of polydispersed carbonyl iron powder were measured for their specific surface by both microscopic and aerodynamic (Blaine's) methods; the results are compared in a table. Blaine's method was then applied to sodium, lithium and magnesium hydrides in an evacuated dry box filled with nitrogen; their specific surfaces are also tabulated as computed on the basis of Carman's equation. This method has proved much simpler than that based on gas permeability through a layer of powder,

Card 1/2

L 50340-65

ACCESSION NR: AP5015134

which was previously employed. Orig. art. has: 2 figures, 2 tables and 9 formulas.

ASSOCIATION: Laborator anorganische chemie CSAV, Rez near Prague (Inorganic Chemistry Laboratory, CSAV)

SUBMITTED: 24Sep64

ENCL: 00

SUB CODE: IC

NO REF Sov: 000

OTHER: 005

Card 2/2 4/0/P

CZECHOSLOVAKIA

MAMULA, M; HANSLIK, T

Inorganic Chemistry Laboratory, Czechoslovak
Academy of Sciences, Prague-Rez - (for both)

Prague, Collection of Czechoslovak Chemical
Communications, No 2, February 1967, pp 374-391

"Chemistry of aluminum hydride complexes. Part 2:
Production and properties of trisodiumhexahydro-
aluminate."

MAMULASHVILI, A.V., inzh.

Possibilities for combining loop forming stages on cotton knitting machines. Tekst.prom.20 no.10:34-36 0'60. (MIRA 13:11)
(Knitting machines)

ZEDGINIDZE, Ye.N.; PIRTSALAVA, Ye.A.; MAMULASHVILI, N.K.; BAGATUROVA,
I.A.

Studying laterite clays of the Tsatskhauri deposit. Soob.AN Gruz.
SSR 25 no.5:539-542 N '60. (MIRA 14:1)

I. Akademiya nauk GruzSSR, Institut prikladnoy khimii i elektro-
khimii, Tbilisi. Predstavлено академиком R.I.Agladze.
(Kobuleti District--Laterite)

MAMULENKO, Yu. A.

5/25/67/042/C03/011/049
B104/B102

24.600

AUTHORS: Vovenko, A. S., Golovanov, L. B., Kulakov, B. A.,
Lyubimov, A. L., Mamulenko, Yu. A., Savin, I. A., Smirnov, I. V.

TITLE: Total π^- -p interaction cross sections at high energies

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,
no. 5, 1962, 715 - 720

TEXT: $\sigma_t(\pi^-, p)$ was determined for proton momenta of 3.4, 3.9, 4.9, 7.0,
and 9.2 Bev/c. The experimental arrangement is shown in Fig. 1. The
total interaction cross section decreased between 3.5 and 7 Bev/c. Mea-
surements at higher energies have not clearly shown whether the decrease
of $\sigma_t(\pi^-, p)$ is only characteristic of the range investigated, or the be-
havior is an asymptotic one (Table). A comparison with other results has
shown that $\sigma_t(\pi^+, p)$ and $\sigma_t(\pi^-, p)$ are equal in the range of 4-5 Bev
within the accuracy attained. Assuming that $\sigma_{\pi^+}/\sigma_{\pi^-} = (\text{Im}\pi^0/\text{Im}\pi^-)^2$, the
charge exchange is estimated with the aid of relation

Card 1/3

Total π^-p interaction cross...5/056/62/042/003/011/049
B104/B102

$$4\pi \lambda \operatorname{Im} A_p^2 = (1/\sqrt{2}) (\sigma_t(\pi^-, p) - \sigma_t(\pi^+, p))$$

σ_{π^-} = 0.012 and 0.003, respectively. $A_{\pi^-}^0$ and $A_{\pi^+}^0$ are the amplitudes of the charge exchange processes ($\pi^0 p \rightarrow \pi^+ n$, $\pi^- p \rightarrow \pi^0 n$) and of the elastic scattering under the angle 0° . σ_{π^-} and σ_{π^+} are the total charge exchange cross section and the elastic scattering cross section. The two values of σ_{π^-} were obtained at $\sigma_y \approx 5.5$ millibarn with $\sigma_t(\pi^-, p) = \sigma_t(\pi^+, p) = 1$ millibarn, and $\sigma_t(\pi^-, p) = \sigma_t(\pi^+, p) = 2$ millibarn, respectively. The data of other authors (G. von Dardel et al., Phys. Rev. Lett., 7, 127, 1961) are in good agreement with the results obtained here. I. Ya. Pomeranchuk and L. B. Okun' are mentioned. There are 2 figures, 1 table, and 17 references: 11 Soviet and 6 non-Soviet. The four most recent references to English-language publications read as follows: V. N. Gribov, Nucl. Phys., 22, 249, 1961; G. von Dardel et al., Phys. Rev. Lett., 2, 333, 1960; A. S. Vovenko et al., Proc. of the 1960 Ann. Intern. Conf. on High Energy Physics at Rochester, Univ. of Rochester, 1960, p. 443; V. S. Barashenkov et al., Nucl. Phys., 14, 522, 1960.

Card 2/3

S/051/02/042/CC3/011/04
B104/B102

Total π^- -p interaction cross...

ASSOCIATION: Ob'yedinennyy institut vydernykh issledovanii (Joint Institute of Nuclear Research)

SUBMITTED: October 10, 1961

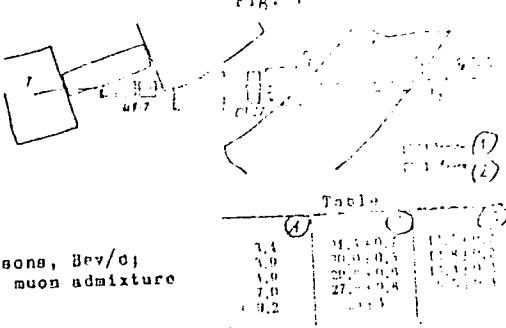
Fig. 1. Experimental arrangement.

Legend: (T) target in the proton-synchrotron; (A-7 (ML-7)) four-pole lenses; (A-57 (SP-57)) magnet; (S_1 , ..., S_3 , S_A , ..., S_C) scintillation counters; (1) concrete; (2) lead.

Table. Measurement results.

Legend: (1) momenta of π^- mesons, Bev/c; (2) $\sigma_t(\pi^-, p)$, millibarn; (3) muon admixture in the beam, %.

Card 3/3



MAMULIN, S.V., inzn.

Overall mechanization of the clearing, painting and testing processes of ship anchor chains. Sudostroenie 37 n.v. 10:5.12.1964.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7

MAMULIN, Svyatoslav Vasil'evich
ROKHLIN, Alexei
SNTYKIN, V. I.

[redacted]
[redacted]
[redacted]

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7"

L 28849-66 EWP(+) / EMT(=) / T / EWP(+) / EWP(+) / ETI JD / MM

ACC NR: AP6013819 (a) SOURCE CODE: UR/0356/65/000/012/0049/0051

AUTHOR: Mamuliya, G. (Engineer); Vasil'kova, Ye. (Engineer)

38

B

ORG: State All-Union Scientific Research Institute of Technology for Repair and Operation in Machinery and Tractor Depot (Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy tekhnologicheskiy institut remonta i eksploatatsii mashinno-traktornogo parka)

TITLE: Welding of machine parts and assemblies in carbon-dioxide gas

SOURCE: Tekhnika v sel'skom khozyaystve, no. 12, 1965, 49-51

TOPIC TAGS: welding equipment, repair welding, arc welding, automatic welding, spot welding, welding technology /A-547-R/
welding equipment, A-537 welding equipment, EZG-4 welding equipment

ABSTRACT: Welding methods used for repairing agricultural machines are discussed. The most effective method is a semi-automatic electric arc welding with a carbon-dioxide gas shielding. The equipment used for this kind of welding is described. A welding device of A-547-R type is applied to thicknesses up to 3 mm while thicker parts are welded by A-537 type. These devices consist of an arc torch, electrode-wire feed mechanism, control panel, carbon-dioxide gas cylinder, preheater,

Card 1/2

UDC: 621.791.037:661.97

L 28849-66

ACC NR. AP6013819

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rectifier, etc. The A-537 type is equipped with a water-cooled torch. The A-547-R type arrangement is schematically illustrated. A special arrangement for spot welding and electric riveting is designed by using an electric-arc riveter of EZG-4 type. The essential data on these three types of welding equipment is summed up in a table. The recommended welding data for various metal thicknesses are also tabulated. The welding technique applied to various machine and tractor parts is briefly discussed and some efficient methods are recommended. Orig. art. has: 3 tables and 1 figure.

SUB CODE: 13 / SUBM DATE: None

Card 2/2 00

KROTOV, Yu.V.; DEKTYAREV, V.P., red.; MAMULOV, A.S., otv. za vyp.;
OGAREV, A.P., tekhn. red.

[Special case of lateral instability of twin arches] Oso-
byi sluchai bokovoi neustoitivosti sparennykh arok. No-
vokuznetsk, Sibirskii metallurg. in-t im. Sergo Ordzhonikidze,
1962. 11 p. (MIRA 16:9)

(Arches) (Structures, Theory of)

ANISIMOV, M.A.; MAMULOV, F.G.; GRISHIN, A.P.; BASHILOV, A.A.

Thermodynamic analysis of polymerization between ethylene and
carbon tetrachloride. Izv. vys. ucheb. zav.; naft' i gaz 7 no.5:
79-d2 '64. (NICA 17:9)

1. Groznenskiy neftyanoy institut.

GOL'DVARG, S. Sh., starshiy master; MAMULOV, L.G., master

We have organized the periodic servicing of electric locomotives.
Elek. i tepl. tiaga 5 no.3:8-11 Mr '61. (MIRA 14:6)

1. Elektrovozoremontnyy tsekh depo Moskva-Sortirovochnaya (for
Gol'dvarg).
(Electric locomotives--Repairing)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7

VALYOV, S.A., Doc. No. 101--
ENCL and telephone number
Telephone number (101) 220-1000
Sofia, Bulgaria

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7"

MAMULOV, Yu.E., KERENTSEV, F.Ie.

"Sholokhovskaia-IUshnaiia" mine attains the rated production capacity. Ugol' 35 no.5:16-17 My '60. (MIRA 13:7)

1. Upravlyayushchiy trestom Bogurayevugol' (for Mamulov).
2. Nachal'nik shakty "Sholokhovskaya-Yuzhnaya" (for Kerentsev).
(Donets Basin--Coal mines and mining--Labor productivity)

L 29893-66 EWT(1)/FCC GW

ACC NR: AT6006490

SOURCE CODE: UR/3061/65/000/018/0075/0090

AUTHOR: Mamulyan, M. A.

30

ORG: none

B+J

TITLE: Wind regimen over Suramskiy PassSOURCE: Tiflis. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy. no. 18(24), 1965. Voprosy gidrometeorologii (Problems in hydrometeorology), 75-90

TOPIC TAGS: wind velocity, wind direction, troposphere, anticyclone

ABSTRACT: The data from the balloon observations from 1940-1960 at the Mta-Sabueti meteorological station were evaluated to yield the mean maximum and minimum wind velocities at various altitudes, their duration, and wind directions for the four characteristic months of the year. A brief description of the physico-geographical features of the area surrounding the Mta-Sabueti station is given. The data show that 1) the Suramskiy Range is a combination of irregularly arranged spurs 30-40 km in width and covered with dense forest; 2) the complex physico-geographical features of Transcaucasus are responsible to a high degree for the climatic conditions of the land and the lower half of the troposphere; 3) the Transcaucasus is under the influence of a high pressure area during the cold season of the year in connection with the Siberian anti-

Card 1/2

UDC: 551.555

L 29893-66

ACC NR: AT6006490

cyclone and under a low pressure area connected with the thermal region of Central Asia; 4) the speed of wind in the troposphere usually increases with altitude; 5) the mean monthly wind velocities over the Mta-Sabueti station from the surface to the altitude of 1.5 km vary from 5.6 to 7.9 m/sec, increasing with the altitude; 6) at higher altitudes, certain changes in the mean wind velocities take place; 7) the mean wind velocity increases rapidly with altitude in the middle and upper troposphere; 8) the maximum wind velocities in the lower and upper layers of the troposphere are 16-28 m/sec and 33-48 m/sec, respectively; 9) the prevailing winds over the Suramskiy Pass during all seasons of a year are the western winds (23-60%); 10) the daily variations of the mean wind velocities at the surface and over 3 km altitudes are 1.1-1.6 m/sec and 0.1-1.9 m/sec, respectively; 11) the greatest duration was found to be for wind velocities of 0-4 m/sec and 5-9 m/sec during the morning and evening hours, respectively; 12) the Suramskiy Pass serves as a corridor for the continuous exchange between air masses of the western and eastern zones of the Transcaucasus. Orig. art. has: 9 tables, 3 figures.

SUB CODE: 04/ SUBM DATE: 22Jun65/ ORIG REF: 012

Card 2/2

15-57-3-3508

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 149 (USSR)

AUTHORS: Mamuna, V. N., Ul'yanovskiy, B. V.

TITLE: A New Method of Investigating Oil Strata (Novyy sposob
issledovaniya plastovykh neftey)

PERIODICAL: Novosti neft. tekhn. Neftepromysl. delo, 1956, Nr 5,
pp 23-24

ABSTRACT: The author suggests that water or sodium chloride
solutions be used in place of mercury as the active
fluid during experimental investigations of oil. The
changes in the physical properties of oil arising from
contact with the active fluid are subject to quantitative
evaluation.

Card 1/1

no initials

MAMUNA, V.N.

Some methods for determining the viscosity of petroleum in oil
sands. Trudy VNII no.8:361-368 '56. (MLRA 9:12)

(Viscosity) (Petroleum engineering)

MAMUNA, V.N.; KHAZNAFEROV, A.I.

Studying deep-wall samples of petroleum from pools with a high
formation temperature. Trudy VNII no.8:379-391 '56. (MLRA 9:12)

(Petroleum--Testing)

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5496

Author: Mamuna, V. N., Gromova, A. A., Namiot, A. Yu., Fokeyev, V. M.

Institution: All-Union Petroleum and Gas Scientific Research Institute

Title: Mutual Solubility of Carbon Dioxide and Romashkinskaya Petroleum

Original
Publication: Tr. Vses. neftegaz. n.-i. in-ta, 1956, No 8, 392-399

Abstract: Investigation of mutual solubility of CO₂ and Romashkinskaya petroleum (molecular weight 253, d₄²⁰ 0.8736, content of paraffins 3.40%, of tars 15.75% by volume, starts to boil at 60°) under conditions corresponding to the average stratum conditions of the Romashkinskoye oil field. The CO₂ used was contained in cylinders under a pressure of 60 kg/cm² and included <2% of O₂ and N₂. Experiments carried out in a high pressure bomb, showed that at 40° and a pressure of 170 kg/cm² maximum solubility of CO₂ and petroleum amounts to 222 parts by volume

Card 1/2

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants,
I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5496

Abstract: per 1 part by volume, while with a higher ratio, two phases are formed: the upper being free CO₂ containing dissolved therein the light components of the petroleum (light phase), and a lower -- the heavy petroleum residue with CO₂ dissolved therein. The amount of hydrocarbons that pass into the light phase increases with increase in ratio of initial volumes of CO₂ and petroleum, and at the same time the density of hydrocarbons that pass into the light phase is increased; into the light phase pass the gasoline and kerosene components and a part of the solid paraffins; tarry substances were not found therein. CO₂ and kerosene are miscible in any proportions at 40° and a pressure of 170 kg/cm².

Card 2/2

MAMUNA, V.N.; UL'YANIESKIY, B.V.

Analysis of formation oils. Neft. khoz. 34 no.12:31-35 D '56.
(Petroleum--Analysis) (MIRA 10:8)

SECRET//REL TO US
MAVINA, V.N., Cand. Tech Sci -- (miss) "B
~~SECRET//REL TO US~~
~~TOP SECRET~~
~~TOP SECRET~~
of the ~~gas~~ state." Mos, 1968, 11 : 6 (All-Union Gas Off)

Sci Res Inst VNII) 110 copies (KL, 2n-56, 107)

- iii -

TREBIN, G.F.; MAMUNA, V.N.; UL'YANINSKIY, B.V.

Extraction of oil samples from beam wells in Fergana Valley fields. Nauch.-tekhn. sbor. po dob. nefti no.1:62-64 '58.

(MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.
(Fergana—Oil reservoir engineering)

MAMUNA, V.N.

Intermediate reservoir oils. Trudy VIII 12:392-403 '58.
(MIRA 12:3)
(Petroleum--Classification)

MAMUNA, V.N.

Characteristics of the physical state of certain formation petroleums.
Neft. khoz. 36 no.5:42-47 My '58. (MIRA 11:6)
(Petroleum--Analysis)

MAMUNA, V.N., nauchnyy sotrudnik; UL'YANINSKIY, B.V., nauchnyy sotrudnik

Formation oil and a study of its properties. Neftianik 5
no.8:27-29 Ag '60. (MIRA 14:8)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut,
Moskva. (Oil reservoir engineering)

MAMUNA, Vladimir Nikolayevich; TREBIN, Carol'd Fomich; UL'YANINSKIY,
Boris Vladimirovich; VATOLIN, G.N., ved. red.; MUKHINA, E.A.,
tekhn. red.

[Deep samplers and their use] Glubinnye probootborniki i ikh pri-
menenie. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-
toplivnoi lit-ry, 1961. 156 p. (MIRA 14:9)
(Oil field brines—Analysis)

MELIK-PASHAYEV, V.S.; KOCHETOV, M.N.; KUZNETSOV, A.V.; DOLINA, L.P.;
Prinimali uchastiye: BELYAYEVSKIY, A.A.; LISUNOV, V.R.;
NEYMAN, V.Ye.; CHERNOGLAZOVA, T.Ya.; MAMUNA, V.N.; ZHDANOV,
M.A., prof., red.; PERSHINA, Ye.G., ved. red.; YAKOVLEVA,
Z.I., tekhn. red.

[Methods for determining the parameters of oil and gas pools
for appraising their reserves in platform-type fields using
the volumetric method] Metodika opredeleniya parametrov za-
lezhei nefti i gaza dlja podscheta zapasov ob"emnym metodom;
na mestorozhdeniakh platformennogo tipa. [By] V.S.Melik-
Pashaev i dr. Pod red.M.A.Zhdanova. Moskva, Gostoptekh-
izdat, 1963. 269 p. (MIRA 16:5)
(Oil reservoir engineering)

MAT'UNA, A.

TECHNOLOGY

Periodical: REVISTA DE STIINTE AGRICOLE. PROIECT VECBT RS. No. 4, 1958.

MAT'UNA, A.; BERNSTEIN, A.; SARAN VSKI, C. Meter for residual-di tillation liquids; an exchange of experience. p. 20.

Monthly List of East European Accession (MAI) LC, Vol. 8, no. 3
March 1959 Incl ass.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7

MAMUNYA, A.U.

✓ Automatic remote-control apparatus for strong-alcohol plants. D. I. Skoblo and A. U. Mamunya. Trudy Kirovskogo Vsesoyuzn. Nauch.-Issledovat. Inst. Sistem Prom. Ch 1959, No. 1, 151-8; Referat. Zhur. Khim. 1954, No. 60835. An automatic pH meter and hydrometer for strong alcohol described. M. Hoenig

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7"

MAMUNYA, A.U.; GILER, Ye.Ye.

Continuous sterilization of a bank of fermenters in the production
of alcohol from molasses. Spirt.prom. 20 no.4:39-40 '54. (MIRA 7:12)
(Distilling industries) (Sterilization)

MAMUNYA, A.U.

Signaling system for maximum height of alcohol in tanks. Spirt.prom.
21 no.1:19-20 '55. (MLRA 8:5)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
spirtovoy promyshlennosti.
(Electric apparatus and appliances)
(Distilling industries--Equipment and supplies)

MAMUNUR, R. C.

Apparatus for measuring the density of liquids. U.S. Patent Office, Serial No. 2,446,116, filed Jan. 16, 1946, issued Feb. 10, 1948. Inventor, F. A. McCann. An automatic recording app., based on the principle of hydrostatic balance was developed, tested, and described for measuring liquid densities. The app. showed an accuracy of $\pm 0.4\%$ as compared with refractometry and was recommended for use in the tank industry as a control instrument. F. A. McCann.

3
474

EM

MAMUNYA, A.U.; ASHKINUZI, Z.K.; VERESHCHINSKIY, V.M.

Direct-action liquid level regulator with a sector-type valve.
Spir. prom. 23 no. 4:40-41 '57. (MIRA 10:5)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
spirtovoy promyshlennosti (for Mamunya and Ashkinuzi). 2. Korosty-
shevskiy spirtovoy zavod. (for Vereshchinskij).

(Distilling industries---Equipment and supplies)
(Valves)

MAMUNYA, A.U.; BYKENSHTEYN, A.F.; BARANOVSKAYA, K.F.

Metering device for stillage. Spirit. prom. 24 no. 2:13-14 '58.
(Distilleries--Equipment and supplies) (MIRA 11:3)

MAMUNYA, A.U.; RED'KO, D.I.

Using a new system of connecting separate yeast tubs. Spirt. prom.
24 no.3:33-34 '58. (MIRA 11:6)
(Distilling industries--Equipment and supplies)

YAROVENKO, V.L.; MAMUNYA, A.U.

Sterilization of the fermentation battery for the production of
alcohol from molasses. Spirt. prom. 24 no.6:10-13 '58.
(Fermentation) (MIRA 11:10)

ASHKINUZI, Z.K.; YEGOROV, A.S.; MAMUNYA, A.U.; SEMERNYA, V.M.; YANOVSKIY, V.S.

Rapid cooking of raw materials in a tubular cooker. Spirt.
prom. 25 no.1:28-31 '59. (MIRA 12:2)
(Distilling industries--Equipment and supplies)

MAMUNYA, A.U.

Liquid level indicator. Spirit.prom. 25 no.1:40-41 '59.
(MIRA 12:2)
(Liquid level indicators) (Alcohol--Storage)

MAMUNYA, A.U.; RABINOVICH, B.D.; YANOVSKIY, V.S.

Layout and apparatus for the rapid cooking of starchy raw materials.
Sprint. prom. 25 no.7:4-6 '59. (MIRA 13:2)
(Distilling industries--Equipment and supplies)

ASHKINUZI, Zus' Kivovich; MAMUNYA, Anton Ustinovich; SEMERNYA, Vladimir Mikhaylovich; YANOVSKIY, Vitaliy Sergeyevich; MALCHENKO, A.L., doktor tekhn. nauk, prof.; spets red.; FUKS, B.K., red.; PEREDERIY, S.P., tekhn. red.

[Continuous rapid cooking of starchy raw materials in the distilling industry] Nepreryvnoe skorostnoe razvarivanie krakhmalistogo syr'ia v spiritovom proizvodstve. Moskva, Pishchepromizdat, 1960. 54 p.

(MIRA 14:10)

(Distillation)

MAMUNYA, A.U.

Automatic disk sampler of molasses sirups. Spirit.prom. 26
no.1:19-21 '60. (MIRA 13:6)
(Molasses)

ASHKINUZI, Z.K.; DRAZHNER, T.M.; MAMUNYA, A.U.; SEMERNYA, V.M.; YANOVSKIY,
V.S.

Reducing the duration of holding in the continuous cooking of
ground starchy raw material according to the Chemer flow system.
Spirt.prom. 26 no.2:6-12 '60. (MIRA 13:6)
(Chemer--Alcohol)

MAMUNYA, A.U.; SHCHERBAK, S.K.; ZATURENSKIY, R.A.

Measurement and regulation of the density of crude brines. Khim.
prom. no. 2:134-135 F '61. (MTRA 14:4)
(Brines)

ASHKINUZI, Z.K.; YEGOROV, A.S.; MAMUNYA, A.U.; MAGICHEVA, A.I.;
SYCH, P.K.; TYUZNEV, M.F.

Continuous cooking at the Trilesskiy Alcohol Plant.
Spirit.prom. 26 no.4:15-19 '60. (MIRA 13:8)
(Kiev--Alcohol)

LISOGOR, P.M. [Lysohor, P.M.]; MAMUNYA, A.U.

Fermentation apparatus for the manufacture of feed antibiotic.
Khar.prom. no.2:49-51 Ap-Je '62. (MIRA 15:9)

1. Kiyevskiy sovet narodnogo khozyaystva (for Lisogor).
2. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy
promyshlennosti (for Mamunya)
(Fermentation— equipment and supplies)
(Antibiotics)

MAMUNYA, A.U.; GARBENKO, V.G. [Hrabenko, V.H.]; RAYEV, Z.A. [Raiev, Z.A.];
REMEZ, Ye.O. [Remez, IE.O.]

Preparation of molasses for the production of alc.hol and baker's
yeast. Kharch.prom. no.4:41-45 O-D '63. (MIRA 17:1)

MAMUNYA, A.U.; REMEZ, Ye.O.; SYCH, P.K.

Automation of mash preparation in the manufacture of alcohol from
grain and potato raw materials. Trudy Ukr.NIISP no.8:93-100 '63.
(MIRA 17:3)

MAMUNYA, A.U.; PSHEVORSKAYA, V.Ya.; BAYDAKOV, N.P.

Improving the aeration process in the working and inoculation
fermenters. Trudy Ukr.NIISP no.8:100-108 '63. (MIRA 17:3)

MAMUNYA, A.U.; REMEZ, Ye.O.

Automation of mash preparation under the conditions of continuous rapid
boiling to the pulp method. Spirt.prom. 29 no.5:23-25 '63.

(MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtov i likero-vodoch-
noy promyshlennosti.

MAMUNYA, A.U.; BAYDAKOV, N.P.; ISHEVORSKAYA, V.Ya.

Use of the automatic refractometer for the testing and regulation
of the concentration of molasses solutions. Report No.2. Trudy
UkrNIISP no.9:21-25 '64. (MIRA 17:10)

RABINOVICH, B.D.; MAMUNYA, A.U.

Use of the spray method in drying antibiotics. Khar. prom.
no. 1:54-56 Ja-Mr '65. (MIRA 18:4)

RABINOVICH, B.D. [Rabinovych, B.D.]; MAMONYA, A.U.

Efficient method for mass dewatering in the production
of dry vitamin enriched biomycin preparations. Khar.
prom. no.4:47-52 O-L '65. (MIRA 18:12)

PESTOV, N.N.; MAMURIN, A.I.; PETROV, Ye.A.

Mechanization of the unloading of sulfur at warehouses. Khim.
volok. no.1:65-66 '60. (MIRA 13:6)

1. Kalininskiy kombinat.
(Kalinin--Textile fibers, Synthetic) (Sulfur)
(Loading and unloading)

MAMUROVSKIY, A. A.

(DECEASED)

1963/2

c' 1962

STONES-
cutting, precious

see ILC

VERSHININ, I.M., red.; MAMUPOVSKIY, N.S., red.; POLYAKOVA, T.P.,
red.; LOZANSKAYA, L.L., red.; GRIGOR'YEVA, V.F., red.

[40 years of Soviet Moldavia; statistical abstract] So-
vetskaia Moldavia za 40 let; statisticheskii sbornik.
Kishinev, Gos. stat. izd-vo, 1964. 196 p. (MIRA 17:10)

1. Moldavian S.S.R. TSentral'noye statisticheskoye uprav-
leniye.

L 4973-66 EWT(1)/ENT(m)/FS(v)-3 DD/RM

ACC NR: AP5028096

SOURCE CODE: UR/0326/65/012/006/1081/1083

AUTHOR: Zalenskiy, O. V.; Glagoleva, T. A.; Mamushina, N. S.ORG: Photosynthesis Laboratory of the Botanical Institute im. V. L. Komarov,
Academy of Sciences, SSSR, Leningrad (Laboratoriya fotosinteza Botanicheskogo
instituta Akademii nauk SSSR); Physiology Institute im. I. P. Pavlov, Academy of
Sciences, SSSR, Leningrad (Institut fiziologii Akademii nauk SSSR)TITLE: The effect of temperature on the content of free amino acids in Chlorella
pyrenoidosa

SOURCE: Fiziologiya rasteniy, v. 12, no. 6, 1965, 1081-1083

TOPIC TAGS: plant physiology, plant chemistry, chlorella, amino acid

ABSTRACT: A quantitative determination was made of the amount of free amino acids
in Chlorella pyrenoidosa under the influence of different temperatures. Three
samples of a Chlorella suspension were placed in the dark for 5 hr at temperatures
of 4, 22, and 35°C. The amount of individual free amino acids was determined by
paper chromatography. Experimental results are given in Table 1. Since a control

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UDC: 581.134.4.Q36

0101/228

L 4973-66

ACC NR: AP5028096

Table 1. The effect of different temperatures
on the content of free amino acids in Chlorella

| Amino acids | Content of free amino acids, mg/g of dry substance | | |
|---------------|---|--------------------------------------|-----|
| | In initial sample | After keeping in the dark 5 hr at | |
| | | 4° | 22° |
| Glutamic acid | 2.4 | 4.5 | 2.6 |
| Aspartic acid | 0.5 | 0.9 | 0.5 |
| Alanine | 2.2 | 2.3 | 2.3 |
| Serine | 0.9 | 0.9 | 2.8 |
| Glutamine | 1.3 | 1.2 | 1.9 |
| Glycine | 0.7 | 1.0 | 1.4 |
| Threonine | 0.4 | 0.5 | — |
| Ieucine | 0.2 | — | 0.4 |
| Valine | 0.3 | — | 0.2 |
| Phenylalanine | 0.2 | 0.2 | 0.3 |
| Tyrosine | 0.1 | 0.1 | — |
| Cystine | 0.2 | — | 0.1 |
| Arginine | 0.2 | 0.2 | — |
| Histidine | 0.3 | — | 0.3 |

Sample kept in the dark at 22°C showed no changes in amino acid composition, all the quantitative differences observed in experimental samples can be attributed solely to the influence of temperature. The increases observed in glutamic and aspartic acid contents at low temperature agree with the results of previous experiments on higher plants. Likewise, the decrease in the glutamic acid content at high tem-

Card 2/3

L 4973-66

ACC NR: AP5028096

perature has also been observed in higher plants. Various explanations for the consumption of glutamic acid at high temperature are considered. Orig. art.
has: 1 table.

[JS]

SUB CODE: LS/ SUBM DATE: 29Jun64/ ORIG REF: 005/ OTH REF: 011/ ATD PRESS:

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OC

Card 3/3

GLAGOLEVA, T.A.; MAMUSHINA, N.S.; ZALENSKIY, O.V.

Carbon C¹⁴ metabolism in Chlorella pyrenoidosa Chick. in light
and in darkness. Bot.zhur. 50 no.2:173-181 F '65.

(MIRA 18:12)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
Submitted June 15, 1964.

GLAGOLEVA, T.A.; MAMISHINA, N.S.; VAIKOV, A.A.

Aftereffect of temperature on the growth of
Chlorella pyrenoidosa Chl. a. and Chl. b.

1. Botanicheskiy institut im. V.V. Dokuchaevya
fiziologii rastenii Pavlovskiy

MAMUSHKIN, P.; MEN'SHIKOV, V.; VASIL'YEV, P. (Bryanskaya oblast', Novozybkovskiy rayon); BOBROVSKAYA, Z.; KULAGIN, N.; TROIITSKIY, L.; NURULLAYEV, S., operator

Editors's mail. Sov. profsoiuzy 16 no.18:49-51 S '60.(MIRA 13:10)

1. Sekretar' partyuro torfopredpriyatiya "Vasil'yevskiy mokh" (for Mamushkin). 2. Instruktor metodicheskogo otdela TSentral'nogo Doma kul'tury zheleznodorozhnikov (for Men'shikov). 3. Chleny prezidiuma dorozhnogo komiteta profsoyuza rabotnikov zheleznodorozhnogo transporta Sverdlovskoy zheleznoy dorogi (for Bobrovskaya, Kulagin). 4. Zaveduyushchiy otdelom kul'tury i fizkul'tury Chelyabinskogo oblprofsoveta (for Troitskiy). 5. Novo-Bakinskiy neftepererabatyvayushchiy zavod (for Nurullayev).

(Perm--Communist education)

MAMUSHKIN, S.

"Determination of the Velocity and Direction of the Wind by Radar," by Engr S. Mamushkin, Grazhdanskaya Aviatsiya, No 9, Sep 56, p 8

This work presents two methods which can be used to determine the velocity and direction of wind. The first, based on the actual position of the airplane in flight and what its position would be in a calm, is based on the solution of the navigational triangle of velocities. The second consists of finding the ground speed, the drift angle (through compass bearing and given compass course), and the air speed. With these known, the wind direction and speed can be easily found.

Sum 1274

MAMUSOCJ. Gyorgy

Utilization of computers in telecommunication design. Hir techn 14
no.3:104-108 Je '63.

l. Beloiannisz Hiradastechnikai Gyar.

MAMUSZKA, F.

MAMUSZKA, F. In the Darzlubie Forest. p. 5.

Vol. 28, no. 8, Aug. 1956

TURYSTA
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

KAJUT, I. S.

Dissertation defended for the degree of Candidate of Juridicial Sciences
at the Institute of Government and Law

"Genesis of the Doctrine of Karl Marx on the State."

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LISTRATOV, Anatoliy Andreyevich; KANIT, Yansei L'vovich;
DENISENKOVA, L.M., red.; TAPTAKOVSKY, V.A., red.

[Asphalt concrete work at enterprises for grain storing
and processing] Asfal'tobetonnye raboty na predpriatiakh
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1962. 37 p. (MIRA 17:2)

NOSOV, V.A., kand. tekhn. nauk; MAMUTA, G.D.; TARASENKO, O.V.

Ultrasonic meter of sand concentration in pipes of dredges.
Avtom. i prib. no.4:62-64 O-D '63. (MIRA 16:12)

1. Institut avtomatiki Gosplana UkrSSR.

GORODETSKIY, D.O. [Horodets'kyi, D.O.]; MAMUTA, G.D. [Mamuta, H.D.]

Investigating electron characteristics of thin film systems.
Visnyk Kyiv.un.no.2.Ser.fiz.ta khim. no.1:79-85 '59. (MIRA 14:8)
(Metallic films)

NOSOV, V.A.; MAMUTA, G.D.

Ultrasonic signalling device for determining the clarified
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MAMUTA, G.D.

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(MIRA 18:6)

MAMUTOV, I.M. i YAKHNOV, Ye. S.

22061 Mamutov, I. M. i Yakhnov, Ye. S. o "Fluorografii v ranenii Vyavisheni tehnologo tuberkuleza u vzyazikh. Tren. Za izdat. Nauch.-Issled. po tuberkulez. - USSR, St. 1, 1948, s 17-51.

SC: Letnits' zhurnal'nykh statey, no. 10, Moskva, 1949.

MAMUTOV, Valentin Karlovich ; STUDENIKINA, M.S., red.; ANTONOVA,
V.P., red.

[Powers of governmental organs to decide economic issues
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skva, "IURidicheskaiia literatura," 1964. 265 p.
(MIRA 17:4)

ANIC, D.; MAMUZIC, P.

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Je '61.

(Yugoslavia—Geology)

MAMUZIC, R.

Corrosion in textile industry.

p. 23 (Tekstilna Industrija) Vol. 5, no. 1, Jan. 1957, Belgrade, Yugoslavia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7

426 KASTKO

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16/8/86
The influential factors in corrosion of iron and steel
- Rastko Masicic, Zelina, Vol. 4, 330-2 (1956). A
Survey with 10 references. G. Masicic

PPM

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032110006-7"

YUGOSLAV. / Chemical Technology. Chemical Additives
and Their Application. Corrosion. Cor-
rosion Control. H-4

Res Jour: Ref Zvezd. Khimiya, No 13, 1958, 7 v. l.

Author : Mamuzic, Rastko, I.

Inst : Not given.

Title : Methods of Reducing Corro. Scale.

Orig Pub: Zast. Nauk., 1958, 6, No 1, 61-66.

Abstract: Chemical and phys. methods, salts,
bases, etc. for removing scale in metal are de-
scribed. It is emphasized that the application
of the above mentioned methods necessitates that
safety measures should be taken in order to pre-
vent the destruction of metal by corrosion. --
Ya. Matlis.

Card 1/1

STEFANOVIC, Gj. [Stefanovic, G.]; MIHAILOVIC, M.Lj.; LORENC, Lj.;
MAMUZIC, R.I.

Anhydrobisatic acid (6, 12-oxa-5, 6, 11, 12-tetrahydrophenhomazine-6, 12-dicarboxylic acid). Bul sci nat SAN 25 no.7:111-115 '59.

(EEAI 9:12)

(Anhydrobisatic acid)

STEFANOVIC, D.; MIHAILOVIC, M.Lj.; LORENC, Ljubinka.; MAMUZIC, R.I.

Anhydrobiisatic acid (6,12-aza-5,6,11,12-tetrahydrophenhomazine-6,12-dicarboxylic acid). Glas Prir mat SANU 241 no.18:1-19 '60.

BORISAVLJEVIC, Ruza; BOSNJAK, Jovan; MAMUZIC, Rastko I.; MIHALLOVIC,
Mihailo Lj.

N-benzoylphthalimide. Pt. 2. Glas Hem dr 27 no.5/6:299-311 '62.

1. Institute of Chemistry, Faculty of Sciences, Beograd.

BOSNIAK, Jovan; MAMUZIC, Rastko I.; MIHAILOVIC, Mihailo Lj.

N-benzoylphthalimide. Pt. 3. Glas Hem dr 27 no.5/6:313-319 '62.

1. Faculty of Sciences, Institute of Chemistry, Beograd.

MICOVIC, V.M.; MAMUZIC, R.I.; JEREMIC, D.; MIHAILOVIC, M. Lj.

Reactions with lead tetraacetate. Pt. 1. Bul sc nat SANU 32
no.9:113-125 '63.

1. Chemical Institute of the Faculty of Mathematics and Natural
Sciences of the University of Belgrade, Belgrade. Submitted
November 10, 1961.

MAMUZITCH, ZLATKO

Mamuzitch, Zlatko. Sur le théorème de Weierstrass sur l'approximation par polynômes des fonctions continues d'une variable réelle. Bull. Soc. Math. Phys. Serbie 2, nos. 3-4, 61-72 (1950). (Serbo-Croatian. French summary).

Essentially an historico-expository paper on the theorem of the title, with some observations relating to the Lebesgue point of that theorem.

J. M. Schaeffer.

Source: Mathematical Reviews,

Vol. 13 No. 4

MAMUZITCH, ZLATKO

MAMUZITCH, ZLATKO: Note on the Associative Law for the Transformations
in the Theory of Sets

Mamuzitch, Zlatko. Note sur la loi d'association des trans-
formations dans la théorie des ensembles. Bull. Soc.
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Source: Mathematical Reviews.

Vol 13 No 7

MANZI, Z.

"Open or Closed Sets in the Metric Space"; p. 11
(ZES IK, Vol. 4, n. 1/2, 1951, p. 11, 1951).

To: Monthly List of East European Acquisitions, Library of Congress,
Vol. 10, October, 1951, International

AMENDMENT

RECORDED (2) TWO COPIES OF THIS AMENDMENT ARE BEING MAILED
TO: L. J. S., VICE CHIEF, VOL. 3, P. 1/2, 1.13, MEMO, "GARDEN"

S: Enclosed List of West German Officers, Name, Address, etc.
Apr 1968

MAMUZIC ZLATKO

3

Mamuzic, Zlatko. Sur la topologie transitive d'une classe d'espaces (C). Bull. Soc. Math. Phys. Serbie 6 (1954), 63-73. (Serbo-Croatian summary)

Soit E un espace, c'est-à-dire un ensemble quelconque d'éléments appelés points. L'A. introduit une topologie (généralisée) dans E comme suit: il suppose donnée une fonction $f(a, b)$ appelée M -écart ou M -proximité définie sur $E \times E$ et prenant ses valeurs dans un ensemble donné quelconque M . Il suppose de plus qu'à chaque point $a \in E$, on a fait correspondre une famille \mathcal{F}_a non vide de sous-ensembles de M assujettie à la seule condition que $f(a, a) \in \mathcal{F}_a$ pour chaque ensemble de \mathcal{F}_a . Alors E devient un espace (T_1) de M. Fréchet en imposant le critère de continuité (C) suivant (que nous exprimons sous une forme légèrement différente de celle de l'A. mais équivalente): (C) Pour tout point $a \in E$ et tout ensemble $F \subset E$, on a: (a contigu à F) \Leftrightarrow (pour tout $X \in \mathcal{F}_a$, il existe un $x \in F$ tel que $f(a, x) \in X$). L'A. donne des formes équivalentes du critère (C); il établit des conditions pour que la topologie (généralisée) définie dans E par (C) vérifie divers axiomes

✓ 2 pyc